

PTO/SB/02 (01-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/675,250
Filing Date	9/30/2003
First Named Inventor	Seung H. Kang et al.
Art Unit	2814
Examiner Name	Thao X. Lo
Attorney Docket Number	AYUKAWA 1-4-1-162-30

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

47398

☐ Please change the correspondence address for the above-identified application to:

☒ The address associated with  
Customer Number:

47398

OR

☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

David L. Smith

Date

7/14/06

Telephone

610-712-3784

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9198 and select option 2.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Agere Systems Inc.Application No./Patent No./Control No.: 10/675,258 Filed/Issue Date: 9/30/2003Entitled: "ALUMINUM PAD POWER BUS AND SIGNAL ROUTING FOR INTEGRATED CIRCUIT DEVICES UTILIZING COPPER TECHNOLOGY INTERCONNECT STRUCTURES"Agere Systems Inc., a Corporation

(Name of Assignee)

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014886, Frame 0337, or a true copy of the original assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

Charles W. Gaines

Printed or Typed Name

Attorney for Applicants

Title

July 18, 2006

Date

972-480-8800

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 23, 2004

PTAS  
BEUSSE BROWNLEE WOLTER MORA & MAIRE, PA  
JOHN L. DEANGELIS, JR., ESQ.  
390 N. ORANGE AVE., SUITE 2500  
ORLANDO, FL 32801



\*102649432A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/15/2004

REEL/FRAME: 014886/0337  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KANG, SEUNG H.

DOC DATE: 12/16/2003

ASSIGNOR:

KREBS, ROLAND P.

DOC DATE: 12/16/2003

ASSIGNOR:

STEINER, KURT GEORGE

DOC DATE: 10/29/2003

ASSIGNOR:

AYUKAWA, MICHAEL C.

DOC DATE: 12/16/2003

ASSIGNOR:

MERCHANT, SAILESH MANSINH

DOC DATE: 10/29/2003

014886/0337 PAGE 2

ASSIGNEE:

AGERE SYSTEMS, INC.  
1110 AMERICAN PARKWAY N.E.  
ALLENTOWN, PENNSYLVANIA 18109

SERIAL NUMBER: 10675258

FILING DATE: 09/30/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: ALUMINUM PAD POWER BUS AND SIGNAL ROUTING FOR INTEGRATED CIRCUIT  
DEVICES UTILIZING COPPER TECHNOLOGY INTERCONNECT STRUCTURES

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

1.15.04

01-20-2004

Form PTO-1595

(Rev. 03/01)

REC

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

102649432

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

**Seung H. Kang**  
**Roland P. Krebs**  
**Kurt George Steiner**  
**Michael C. Ayukawa**  
**Sailesh Mansinh Merchant**Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: **Agere Systems, Inc.**

Internal Address: \_\_\_\_\_

Street Address: **1110 American Parkway N.E.**City: **Allentown** State: **PA** Zip: **18109**Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒
- Assignment
- ☐
- Merger
- 
- ☐
- Security Agreement
- ☐
- Change of Name
- 
- ☐
- Other \_\_\_\_\_

Execution Date: **December 16, 2003**

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

**10/675,258**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **John L. DeAngelis, Jr., Esq.**

Internal Address: \_\_\_\_\_

**Beusse Brownlee Wolter Mora & Maire, P.A.**Street Address: **390 N. Orange Ave., Suite 2500**City: **Orlando** State: **FL** Zip: **32801**6. Total number of applications and patents involved: **1**7. Total fee (37 CFR 3.41).....\$ **40.00**

- ☒
- Enclosed
- 
- ☐
- Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.***John L. DeAngelis, Jr.**

Name of Person Signing

Signature

**01/13/2004**

Date

Total number of pages including cover sheet, attachments, and documents: **5**

16/2004 ECDOPER 00000001 10675258

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

FC:8021

40.00 OP

JAN 15 AM 7:17  
OPR/FINANCE

## ASSIGNMENT AND AGREEMENT


For value received, we, Seung H. Kang, of Orlando, in the County of Orange and State of Florida, Roland P. Krebs, of Allentown, in the County of Lehigh and State of Pennsylvania, Kurt George Steiner, of Fogelsville, in the County of Lehigh and State of Pennsylvania, Michael C. Ayukawa, of Zionsville, in the County of Lehigh and State of Pennsylvania, and Sailesh Mansinh Merchant, of Breinigsville, in the County of Lehigh and State of Pennsylvania, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway N.E., Allentown, Pennsylvania, 18109, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **ALUMINUM PAD POWER BUS AND SIGNAL ROUTING FOR INTEGRATED CIRCUIT DEVICES UTILIZING COPPER TECHNOLOGY INTERCONNECT STRUCTURES** described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
Seung H. Kang

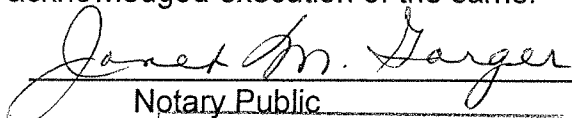
Date: 12/16/2003

United States of America )

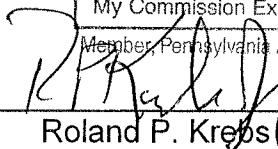
State of Florida ) ss.:

County of Orange

On this 16<sup>th</sup> day of December, 2003, before me personally came Seung H. Kang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries

  
Roland P. Krebs

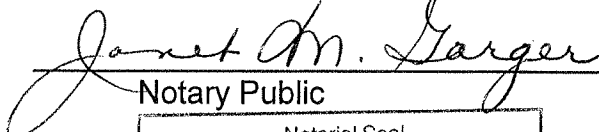
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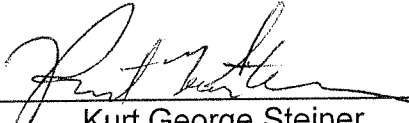
State of Pennsylvania ) ss.:

County of Lehigh

On this 16<sup>th</sup> day of December, 2003, before me personally came Roland P. Krebs, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries

  
Kurt George Steiner

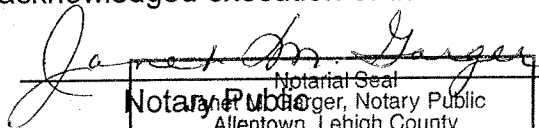
Date: 29 OCT 03

United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 29 day of October, 2003, before me personally came Kurt George Steiner, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries

  
Michael C. Ayukawa

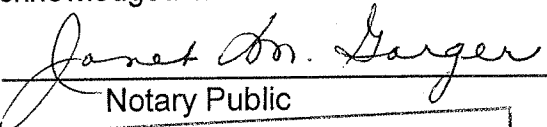
Date: Dec 16, 2003

United States of America )

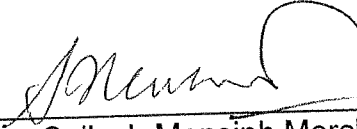
State of Pennsylvania ) ss.:

County of Lehigh

On this 16<sup>th</sup> day of December, 2003, before me personally came Michael C. Ayukawa, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public  
Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries





Sailesh Mansinh Merchant

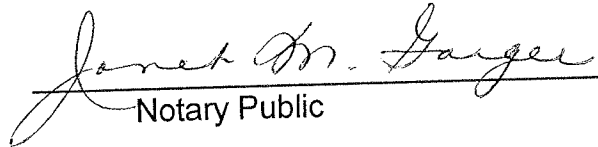
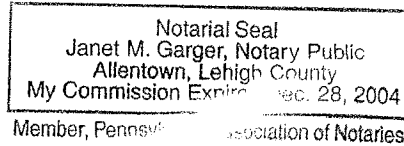
Date: 29 Oct '03

United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 29 day of October, 2003, before me personally came Sailesh Mansinh Merchant, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Agere Systems Inc.  
1110 American Parkway N.E.  
Allentown, PA 18109